

In reply
refer to:

OFFICE OF THE POST MEDICAL INSPECTOR
SECTION
HOSPITAL

TCC/ml

721.5

Fort Huachuca, Arizona,
June 4, 1943.

SUBJECT: Monthly Sanitary Report.

TO : The Commanding Officer, Fort Huachuca, Arizona,
FROM: The Director, Medical Division

1. In compliance with Par. 1c, AR 10-275, as amended by Section III of War Department Circular No. 114, dated June 15, 1941 and letter, the Surgeon General, File 721.5 subject as above, and War Department Circular Letter No. 76, File 38104, dated July 27, 1942, the following report on sanitary conditions of the command for the month of May, 1943, is submitted:

a. ENVIRONMENTAL SANITATION

(1) Water supply:

- (a) Adequacy of supply. Water supply was adequate during the month. Practically all of the water was pumped from deep wells, since the continued drought has reduced the flow from the springs to negligible proportions. Under these conditions the standby pumping capacity for service to the Old Post is not sufficient for complete safety in view of the small storage available at the Old Post.

(b) Consumption data:

| | |
|----------------------------|-----------|
| Average daily consumption | 2.322 MGD |
| Minimum daily consumption | 1.441 " |
| Maximum daily consumption | 2.969 " |
| Average per capita per day | 103 Gal. |

- (c) Bacteriology. Samples from the springs continue to indicate non-potable water, but the chlorinated water distributed is potable and has a safe residual of chlorine. Analyses of samples are summarized as follows:

| (1) Raw Water | Potable | Non-P | Questionable |
|-------------------|---------|-------|--------------|
| Garden & Huachuca | | | |
| Canyon Springs | 7 | 21 | 7 |
| Well No. 2 | 6 | 0 | 2 |
| Wells Nos. 1,3,4 | | | |
| 45 | 23 | 0 | 1 |
| Total Raw Water | 36 | 21 | 10 |

| (2) Chlorinated Water | Potable | Non-P | Questionable |
|-----------------------|---------|-------|--------------|
| Old Post | 10 | 0 | 0 |
| Cantonment | 14 | 0 | 1 |
| Civilian Housing | 10 | 0 | 0 |
| Total Chlorinated | 34 | 0 | 1 |

PPM Chlorine Residual: Max 0.75, Min. 0.10, Aver. 0.42

(2) Sewage Treatment

(a) All sewage was treated during the month. Conditions in the stream below the main outfall sewer were satisfactory.

| (b) <u>Flows treated</u> | <u>Plant No. 1</u> | <u>Plant No. 2</u> |
|--------------------------|--------------------|--------------------|
| Maximum rate | 1.40 MGD | 2.31 MGD |
| Minimum rate | 0.06 " | 0.06 " |
| Average for month | 0.61 " | 0.70 " |

(c) Efficiency of treatment (Monthly Averages)

| | <u>Plant No. 1</u> | | <u>Plant No. 2</u> | |
|------------------|---------------------|------------|--------------------|------------|
| | <u>Susp. Solids</u> | <u>BOD</u> | <u>Susp Solids</u> | <u>BOD</u> |
| Raw sewage | 200 ppm | 193 ppm | 172 | 197 ppm |
| Primary effluent | 82 | 107 | 43 | 92 |
| Reduction | 58% | 45% | 75% | 53% |

(3) Milk - Milk produced by the Post Dairy Farm was satisfactory. A new water line to provide chlorinated water for the Post Dairy Farm is under construction. Samples analyzed of milk purchased from outside sources were satisfactory.

(4) Garbage - Disposal of garbage by burying in pits is satisfactory.

(5) Insect and rodent control - Four barracks and two living quarters have been fumigated to eliminate bed bugs. Dicon aerosol cylinders of insecticide have been available during the later part of the month and they are now being used for fly and roach control. 5
4
2

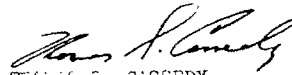
(6) Food supplies. See Supplementary Report No. 1

(7) Other phases of environmental sanitation.

Two swimming pools, one for officers and one for enlisted men have been placed in operation during the month.

b. PERSONAL HYGIENE: See Venereal Disease Supplementary Report No. 2.

- c. ACUTE COMMUNICABLE DISEASE: The incidence of mumps has been rather high during the whole month. The incidence of other diseases has not been high in relation to the population. See Supplementary Report No. 3.
- d. MONTHLY VETERINARY SANITARY REPORT: See Supplementary Report No. 4.
- e. ADMINISTRATIVE MEASURES AND SANITARY SERVICES: None.
- f. RECOMMENDATIONS: None.


 THOMAS C. CASSEDY,
 Capt., Sanitary Corps,
 Post Medical Inspector.

Incls: ID Form 95 A; 41 5L,
 Reg 106, Supplemental
 Reports 1, 2, 3, 4.